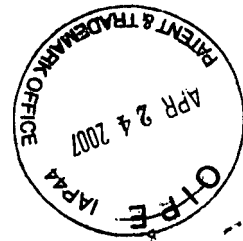


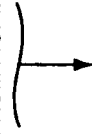
hTIR1 1 MLCTARVCEQLLISCAAFACHSTES-----SEPTUPGDMHJGIFPI-----ESGCLQVRHR-----PATIQRSCSNEFGHIFOMRLQVEENNSILHPNTHGVOIDVCSO-SANWYATIRVH 119  
 rTIR1 1 MLFWAHJLISQI--VYVNAFSCORTES-----SPELSLPGDHLJGLFSH-----GDCLOVRHR-----HINTSORPDSNGHGHIFDAMRFEVEENSSALHPNTHUGVILNDVCSF-SANWYATIRVH 118  
 hTIR2 1 MGPRKTKICSIFP-----GLFWLAEP-----AE-----NSDFMLPGDHLJGLFSH-----FANMKGVHNFLOVPOCK-EYEVKVGNGNUQAMRFVAFEEFNDDSSILPVLITGLVETIDVOYI-SANWYATIRVH 115  
 rTIR2 1 MGPOQRTICLSI-----LJHVLPKPGMIVE-----NSDFHLAGDVLJGGIFPI-----FANVKSISLSYLOPKON-EFTMKVVGNUQAMRFVAFEEFNDDSSILPVLITGLVEMDVOYL-SNTHPCVIFV 118  
 hTIR3 1 ---MLGPAMFGISMAWHPGTCAPLOIS-----QOLRMKGDMJGGIFPIGFAETGIGSIRPSPVCT---PSSSGLLMAWMAVEENNSILHPNTHGVOIDVCSF-PWAMKPSVIFV 117  
 rTIR3 1 ---MPGLAIIICLSIAAEELGMSLSLOIS-----QOEKAQDMJGGIFPIGCTTEATLNOCTOPNGILOT---RESP-GLFLWAMMAVEENNSILHPNTHGVOIDVCSF-PWIMKPSVIFV 117  
 mGLUR1 1 MYRLLLIFFNPIEMSTPRMPDRKVILLAGASSOQVARMEDGVITLGLSVHLOPPEKVPE-----RACQ--EIREQVGIQVRVAMEHTDKMLNADPVLLENTHGSETIRDSQWHSVALFQSTFEET 123  
  
 hTIR1 120 SLIF-----QHHEIJDOLLHJSE-----TVLAVIGPDSINWATLMLISFETLMAISVASSSETISVOMPSTRIUNKYOVETIMLLOFGNMHISLVGSSDDYGOIGVQALENOITGO 236  
 rTIR1 119 ALQG-----PRHIIQVILRNHSS-----KVAVEIGPDVIDHATLALIGPHEIMELVSTESSVLSAKRKEPSELRTVPSDEQVEVWVOLOSFGWHSILGSGDYGOIGVQALEFLAVR 235  
 hTIR2 116 AHE-----DMILPHODYSNITS-----EVAVAVIGPDVSESVMTEVAEFLSILFELIPOITSAISDIPRDKVRPALIRITPESDIFAEAWOIMLHFRANWHITVMSDITVGHNGQITGERVARD 231  
 rTIR2 119 AOD-----DDLRLHLYKQVSOYMP-----HWAVVIGPDVSESATUMSILSHELIPOITSAISDKIRDKRHEPSTRVPSMITHTEAWOIMVHFOAWHIVIMSDDDYGFENSHLSORLTKTSD 235  
 hTIR3 118 AKAG-----SRDIAAYCNMTOYOP-----RVIAVIGPDSSEIAMVIGKEFSFEMPOISYSGSMELISARETPESTRTVPSDINQLTAAELIOFGNMAWMAVGSDDYEGCOLSIFSAIAR 234  
 rTIR3 118 AKVG-----SOSTIAAYCNMTOYOP-----RVIAVIGPDSSEIALLIGKEFSFEMPOISYSGSMELISARETPESTRTVPSDINQLOVWVILONGSNWMAVGLSDDYEGFELISIFSGIANER 234  
 mGLUR1 124 RDSLSISIREKQICNRLCPDGQTLPEGRTKKPIAGUGPSSSVATQVOMLOJEDIQVNSILSDXITLYKTELVWESDITQARALDIVKRYMVTYSVAVHTEGNTJESGMDHEKMLAAOE 252  
  
 hTIR1 237 FCTAPKQIMFESBOVG-----DER--MCLMBETIAG-----ACGTVAAVFPSSROIANVETESMINTETCKVANA-----SEMAWLSRHITGVPGIORIGMUGVATQRAVPLKAFEEVAYAR---ADKVAIRPCHK 354  
 rTIR1 236 IQMAKQIMFESBVG-----DER--MCSMOITAG-----ARTIWAVFSRHLANVATRSWINTATKAVANA-----SEDMWLSITYTTSVRSIGOGIMVIGVAVOORQVPLKKEFEESYVR---AVTAEISACPE 353  
 hTIR2 232 FCTAHOETITLOPNOMTSEORLTVIVDKLOO-----STPRVAAVFPDLTITHEFNEVILPOVETGAVADIT-----SESMAIDPVHLNTEHGHILGIFLGLITIOSVPTPEFSERREMGPO---AGPPLSRTSQ 355  
 rTIR2 236 FCTAHOEVURIPESSOWNRSEOROLDNITDKLRR-----TSARVAAVFPSELSLISSTHEHELEWETGEVWJIA-----SSMAIDPVHLNTEHRLHTGIFLGLITIORVSTEGFSORVRRODK---PGYVAPNTNL 359  
 hTIR3 235 FCTAHEGIVLPRADD-----SRIGKVQDMVHOVNO-----SSVQVMTJFASVHAHAHALFNYSISSRLSPKAVANA-----SEMAWLSITYTTSVRSIGOGIMVIGVAVOORQVPLKKEFEESYVR---ADKVAIRPCHK 355  
 rTIR3 235 FCTAHEGIVPOHDTSG-----QOLGKVVDMLROVNO-----SKVQVMTJFASVAAVMSIESYSIFHDLSPKAVANA-----SEMAWLSITYTTSVRSIGOGIMVIGVAVOORQVPLKKEFEESYVR---ADKVAIRPCHK 355  
 mGLUR1 253 IQLAHSUKIYSJGEX-----SEDRILKIRERILPXRVAWICEGTVRGQILSAMPOLGVVGEFSLICSDGAWLPODTEGVEANGGIT-IKISPEVRSDDYFLKRLDITNTRNEMPEFWQ 373  
  
 hTIR1 355 G-----SWQSSVQLOREQOAFMAHTMPKIKAFS-----MSSAVNAVRAVAVAGHGOITGCA-----SGACSR-GVAVYPOHIELOTHKMLFEL-THKOTVAFENDNRDPLSSVNTTANQW-ITIVL 466  
 rTIR1 354 G-----SWQSTVQLOREQHTITRQMPKIKAFS-----MSSAVNAVRAVAVAGHGOITGCA-----SEICSR-QVAVYPOHIELOTHKMLFEL-THENTVAFENDNRDPLSSVNTTANQW-ITIVL 465  
 hTIR2 356 S-----YTC--MOODQVIMATISFNITILJSG-----ERMMSVSAVAVAAHALHSLIGOD-----KSTCTK-RVAVYPOHIELOTHKMLFEL-THDHOIFEDPOGMAHLEIVQWDRSON-POST 465  
 rTIR2 360 R-----TTG--MODQVIMATISFNITILJSG-----ERMMSVSAVAVAAHALHSLIGOD-----RVRCCTK-QVAVYPOHIELOTHKMLFEL-THGNRIFFEDQOGMPLIDITOWMDILSON-POST 469  
 hTIR3 356 EREGLEDVGOQPODCITLONVSAGIN-----HHQTESVAAVYSAQAALHNITIOOQ-----ASGCPAQDQVAVYPOHIELOTHKMLFEL-THVGLPIREDSNNVNTVILKIMVQCSVP-RLHDM 471  
 rTIR3 355 -AELDLEERVMPGQSOODYTMIQNLSSGLMONLSAGOLHGOIFATVAVYSAQAALHNITIOOQ-----VSHOCTSEVAVYPOHIELOTHKMLFEL-THVGLPIREDSNNVNTVILKIMVQCSVP-RLHDM 478  
 mGLUR1 374 HR-----FQRLPHLLENHPEKKVCTGNESTEEENYVQ--DSSMGVINGVAVAGHGOITGCA-----MHHALCPGVHGOITGCA-----VSHOCTSEVAVYPOHIELOTHKMLFEL-THVGLPIREDSNNVNTVILKIMVQCSVP-RLHDM 497

TO FIG. 1B

FIG. 1A



FROM FIG. 1A



hTIR1	467	SSSTWSPVQINNETKIQWHGKDVVRKSVSGSDCTA	GHOR	VMGTHHCCECHPQAGGTHA	KSDLYRCQCGKGEWAPESSTQCPPTM	MTFLRLRLTSMWLEAANTILLALVCTAGL	AMHLLM	594
rTIR1	466	SSASLSPVHLDINKTKIQWHGKNNQVPYSQITDCA	CHHP	WVAGSHHCCECHPQAGGTHA	MSELHICQCGTENPKESFTICPPPTM	MTFLRLRLTSMWLEAANTILLALVCTAGL	AMHLLM	593
hTIR2	466	ASYYPLQRIKN-IDDSHHEVANNIPASVCSKRCSS	QAK	KPGCLVMCCFQIDLPGLFLANTEDETECO	PNNEWSSQSELSCTKQOLVFLAWHPATH	IAVALDAGLSTTEAIIIMIEFWHFEQI		593
rTIR2	470	ASYSPTSKRITY-INNVSMTHPPNNIPASVCSK	QPGOM	KSVCLHPCCFQIDQDMPGTHLAKSADEN	CLSQPGSWMSYKNDIITICORRPTLELW	HEVPIILWALDAGLSTTEAIIIMIEFWHFEQI		597
hTIR3	472	GFEN-GSLRTER--LKIRWHTSDUKPIVSR	SRQCCQOMR	RVAGHSHCOYDVIDEASSIRO-NPUD	AGTCGODEWSPERSSTRERRRSRE	LWAGEPAMITILLALVCTAGL	AMHLLM	596
rTIR3	479	GFEN-GTIDLOH--SMMVMPG--NVRV	SRQCKQOMR	RVAGHSHCOYDVIDEASSIRO-NPUD	HTITHECKQDASPEKSFITQIPRP	KELANCEPAMISLALVCTAGL	AMHLLM	601
mGluR1	498	ETWH--EGVINDDDVKEIQMK--SGMVR	SVCSPEFICGQINVRKGEVSCVITQA	KENEIVQ--DEHTQACDILGMPNAEL	ICGQIPRMLSENSDIESIIATNF	SCQIIVITILLALVCTAGL	AMHLLM	620
hTIR1	595	PWRSAGGRCFLMIGLSIAAGSGSLYCHFG	PEPRPAC	CIIRQAMFALGFTIPLSCIVRSFOLIT	IKFSMPFFHAWQVQFAGLFTVM-TSS	AAQITICILMIEVMTPIPA	PEYORRPHI	722
rTIR1	594	PWRSAGGRCFLMIGLSIAAGSGSLYCHFG	PEPRPAC	CIIRQAMFALGFTIPLSCIVRSFOLIT	IKFSMPFFHAWQVQFAGLFTVM-TSS	AAQITICILMIEVMTPIPA	PEYORRPHI	721
hTIR2	594	PIVRSAGGRCFLMIGLSIAAGSGSLYCHFG	PEPRPAC	CIIRQAMFALGFTIPLSCIVRSFOLIT	IKFSMPFFHAWQVQFAGLFTVM-TSS	AAQITICILMIEVMTPIPA	PEYORRPHI	722
rTIR2	598	PWRSAGGRCFLMIGLSIAAGSGSLYCHFG	PEPRPAC	CIIRQAMFALGFTIPLSCIVRSFOLIT	IKFSMPFFHAWQVQFAGLFTVM-TSS	AAQITICILMIEVMTPIPA	PEYORRPHI	726
hTIR3	597	FLVDSGGHACFGMLGIVCLVSLVLP	EQSPARC	IAQOPISHPIIGCISITFLQAAHIF	VSELPISWADRISSGCTIRGP	MMIIVML-LAMIMEVALCTM	ILVAFPPPEW	724
rTIR3	602	FLVDSGGHACFGMLGIVCLVSLVLP	EQSPARC	IAQOPISHPIIGCISITFLQAAHIF	VSELPISWADRISSGCTIRGP	MMIIVML-LAMIMEVALCTM	ILVAFPPPEW	729
mGluR1	621	PWSSSRRLQYIITLAGLFIQVCPETLI	AKETTSQYLR	INGLSSAMQVSAINTKTNRTI	ACSKKICTRKPRFMSAQMLISLIS	VOITLITATLIIMERP	MI-LSYESIK	748
hTIR1	723	TNSIGHLLALINCHLSISAFCSILGQDLP	PDYNEAKQVTE	STILENFMVSWIAERTITASWID	QVTLPAANWACILSSSGGCG	TELPKQWIECRPDINSTE	IFQASTODVTR	841
rTIR1	722	VNSVGHLEATHTNITEISLTFVCS	ILGGTIPDYNEAKQVTE	STILENFMVSWIAERTITASWID	QVTLPAANWACILSSSGGCG	TELPKQWIECRPDINSTE	IFQASTODVTR	840
hTIR2	723	NYRNSILENTSLDILASVVGESPM	WGGLPDYNEAKQVTE	STILENFMVSWIAERTITASWID	QVTLPAANWACILSSSGGCG	TELPKQWIECRPDINSTE	IFQASTODVTR	839
rTIR2	727	NYRNGILENTSMDLASVVGESPM	WGGLPDYNEAKQVTE	STILENFMVSWIAERTITASWID	QVTLPAANWACILSSSGGCG	TELPKQWIECRPDINSTE	IFQASTODVTR	843
hTIR3	725	RSMVSGHIAATVATLALQGLTFL	VRSQPRNAR	RGHITFMIAHTIMVSEVELANQ	WMLPAPVQGLLHCVLGILAA	FTLPCRCLLMROQGLNIP	EEFLGGGPDQAQ	852
rTIR3	730	RSMVSGHIAATVATLALQGLTFL	VRSQPRNAR	RGHITFMIAHTIMVSEVELANQ	WMLPAPVQGLLHCVLGILAA	FTLPCRCLLMROQGLNIP	EEFLGGGPDQAQ	858
mGluR1	749	SN-LQVAVPGVNGIELINSQYVAEK	TRNVIPANFNEAKMIAHTIMV	TOILIMIAFVLYFSN--KTLIT	CFANSTSVTVALGCMTEPKM	ITIAKPERI		845

FIG. 1B